

Abstract of the Disclosure

Engine Air Induction Arrangement and Method

Chaotic air flow structures in internal combustion engine manifolds may lead to poor combustion performance and hence undesirable emissions such as visible smoke. Manifolds with flow characteristics compromised by other design requirements are especially prone to these poor characteristics. To overcome these, an engine air induction arrangement comprises a feed passage having an end portion in a manifold with cylinder ports. The end portion is formed in such a manner that air exiting the end portion via an opening is hindered from travelling away from the cylinder ports. This improves the flow structure and evens air distribution to the cylinder ports, hence improving the combustion process and reducing emission levels.